

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start		Rating **	A	Issue No.	<b>4</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2060_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 2060 has the O&M Manual on file.					

No Photos

LM Start		Rating **	A	Issue No.	<b>7</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2060_01_f_2014_7				
Comment Code					
Inspector Comment					
RD 2060 has emergency supplies on hand.					

No Photos

LM Start		Rating **	A	Issue No.	<b>12</b>
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2060_01_s_2012_12				
Comment Code					
Inspector Comment					
RD 2060 has trained staff for a flood fight.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start		Rating **	C	Issue No.	<b>35</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			°	°
				°	°
DWR ID	DWR_RD2060_01_f_2018_35				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 1.9 L Status: Repaired 2017 Field Notes: Site History: 2011 - Multiple erosion pockets. Deep cracks throughout site could lead to further bank failure. 2016 - Site has been repaired by locals.					

No Photos

LM Start		Rating **	C	Issue No.	<b>36</b>
LM End		Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			°	°
				°	°
DWR ID	DWR_RD2060_01_f_2018_36				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 2.4 L Status: Repaired 2017 Field Notes: Site History: 2011 - Two erosion pockets from rotational failures. Very soft soil. 2016 - Repaired by locals.					

No Photos

LM Start	<b>0.30</b>	Rating **	C	Issue No.	<b>57</b>
LM End	<b>0.30</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.247623 °	38.247623 °
				-121.701642 °	-121.701642 °
DWR ID	DWR_RD2060_01_s_2018_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large tree trunk was hauled out of water in 2017. Should be removed from waterside berm.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	0.40	Rating **	M	Issue No.	5
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.247894 °	38.247911 °
				-121.703492 °	-121.703539 °
DWR ID	DWR_RD2060_01_f _ 2017_5				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.					
Site ID No:358					
Site Designation:LMA-185					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Small erosion into bank.					

Photo 1 of 6 : FA\_2018\_RD2060\_241\_5\_20180925\_00001.jpg



LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 6 : FA\_2018\_RD2060\_241\_5\_20180925\_00002.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

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**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	0.40	Rating **	M	Issue No.	5 (cont)	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.247894 °		38.247911 °
				-121.703492 °		-121.703539 °
DWR ID	DWR_RD2060_01_f _ 2017_5					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.						
Site ID No:358						
Site Designation:LMA-185						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Small erosion into bank.						

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 6 : FA\_2018\_RD2060\_241\_5\_20180925\_00003.jpg



Photo 4 of 6 : FA\_2018\_RD2060\_241\_5\_20180925\_00004.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
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**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



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### Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

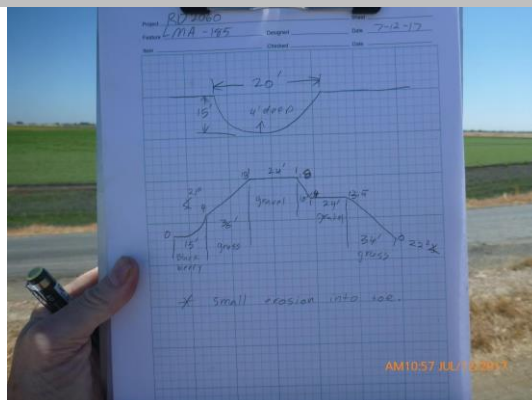
LM Start	0.40	Rating **	M	Issue No.	5 (cont)	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.247894 °		38.247911 °
				-121.703492 °		-121.703539 °
DWR ID	DWR_RD2060_01_f _ 2017_5					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.						
Site ID No:358						
Site Designation:LMA-185						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Small erosion into bank.						

Photo 5 of 6 : FA\_2018\_RD2060\_241\_5\_20180925\_00005.jpg



LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>5 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	WS

Photo 6 of 6 : FA\_2018\_RD2060\_241\_5\_20180925\_00006.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

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**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	0.41	Rating **	M	Issue No.	8 (cont)
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.248036 °	38.248017 °
				-121.703539 °	-121.703789 °
DWR ID	DWR_RD2060_01_f_2017_8				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Existing rip rap appears to have been pulled off in this section.					
Site ID No:359					
Site Designation:LMA-186					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Site had riprap but is eroded away. Minor erosion in toe of levee.					

Photo 3 of 3 : FA\_2018\_RD2060\_241\_8\_20180925\_00009.jpg



LM Start	0.75	Rating **	M	Issue No.	9
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.249314 °	38.249400 °
				-121.709461 °	-121.709608 °
DWR ID	DWR_RD2060_01_f_2017_9				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Erosion is concentrated near the waterline. Existing rip rap appears to have been pulled off in this section.					
Site ID No:360					
Site Designation:LMA-187					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Erosion looks old but has progressed this year.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_9\_20180925\_00010.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 2060 Hastings

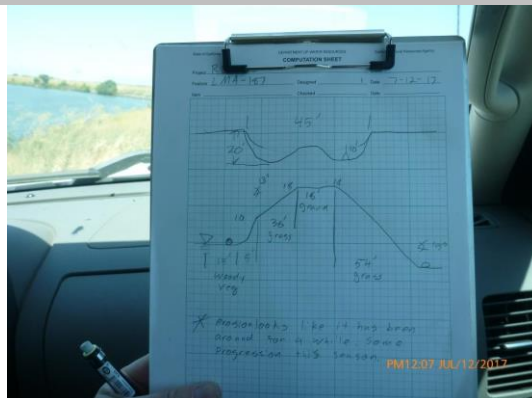
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	<b>0.75</b>	Rating **	M	Issue No.	<b>9 (cont)</b>							
LM End	<b>0.76</b>	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.249314 °	38.249400 °								
			-121.709461 °	-121.709608 °								
DWR ID	DWR_RD2060_01_f_2017_9											
Comment Code												
Inspector Comment												
<b>Levee Evaluation Comments</b> Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Erosion is concentrated near the waterline. Existing rip rap appears to have been pulled off in this section. Site ID No: 360 Site Designation: LMA-187 Repair Type: Erosion Rating: Area of Concern Field Date: 7/12/2017 Notes: Erosion looks old but has progressed this year.												

Photo 2 of 3 : FA\_2018\_RD2060\_241\_9\_20180925\_00011.jpg



Photo 3 of 3 : FA\_2018\_RD2060\_241\_9\_20180925\_00012.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	0.92	Rating **	M	Issue No.	10
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250875 °	38.250953 °
				-121.711942 °	-121.712078 °
DWR ID	DWR_RD2060_01_f_2018_10				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the water side slope.					
Site ID No:361					
Site Designation:LMA-188					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor sloughing, mostly riprap has moved down the slope and into channel.					

LM Start	<b>0.92</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : FA\_2018\_RD2060\_241\_10\_20180925\_00013.jpg



Photo 2 of 4 : FA\_2018\_RD2060\_241\_10\_20180925\_00014.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	0.92	Rating **	M	Issue No.	10 (cont)
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250875 °	38.250953 °
				-121.711942 °	-121.712078 °
DWR ID	DWR_RD2060_01_f_2018_10				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the water side slope.					
Site ID No:361					
Site Designation:LMA-188					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor sloughing, mostly riprap has moved down the slope and into channel.					

Photo 3 of 4 : FA\_2018\_RD2060\_241\_10\_20180925\_00015.jpg



Photo 4 of 4 : FA\_2018\_RD2060\_241\_10\_20180925\_00016.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.04	Rating **	M	Issue No.	15
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251058 °	38.250872 °
				-121.714050 °	-121.714792 °
DWR ID	DWR_RD2060_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the water side slope concentrated at the waterline.					
Site ID No:362					
Site Designation:LMA-189					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Erosion due to lack of revetment. Erosion ends at riprap downstream. Vertical cut at summer wse.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_15\_20180925\_00017.jpg



LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2018\_RD2060\_241\_15\_20180925\_00018.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.04	Rating **	M	Issue No.	15 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251058 °	38.250872 °
				-121.714050 °	-121.714792 °
DWR ID	DWR_RD2060_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the water side slope concentrated at the waterline.					
Site ID No:362					
Site Designation:LMA-189					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Erosion due to lack of revetment. Erosion ends at riprap downstream. Vertical cut at summer wse.					

Photo 3 of 3 : FA\_2018\_RD2060\_241\_15\_20180925\_00019.jpg



LM Start	1.09	Rating **	M	Issue No.	16
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250844 °	38.250833 °
				-121.714944 °	-121.714994 °
DWR ID	DWR_RD2060_01_f_2017_16				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe.					
Site ID No:363					
Site Designation:LMA-190					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Small erosion up to high water line. Cuts into slope with 6' vertical cut.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_16\_20180925\_00020.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.39	Rating **	A/W	Issue No.	20 (cont)
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251886 °	38.252619 °
				-121.719933 °	-121.722842 °
DWR ID	DWR_RD2060_01_f_2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe.					
Site ID No:365					
Site Designation:LMA-192					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Several deep narrow cuts into levee, but mostly minor erosion at highwater line.					

Photo 3 of 3 : FA\_2018\_RD2060\_241\_20\_20180925\_00028.jpg



LM Start	1.43	Rating **	M	Issue No.	6
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.251910 °	38.252605 °
				-121.720620 °	-121.722924 °
DWR ID	DWR_RD2060_01_f_2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 1.7 L					
Status: Eroding New					
2017 Field Notes: Soil is boulders and sand. Multiple slumping sections.					
Site History:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.45	Rating **	A/W	Issue No.	11
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252013°	38.252013°
				-121.720945°	-121.720945°
DWR ID	DWR_RD2060_01_s_2017_11				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

LM Start	1.46	Rating **	A/W	Issue No.	13
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252038°	38.252070°
				-121.721212°	-121.721440°
DWR ID	DWR_RD2060_01_s_2017_13				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

LM Start	1.49	Rating **	A/W	Issue No.	14
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252130 °	38.252130 °
				-121.721637 °	-121.721637 °
DWR ID	DWR_RD2060_01_s_2017_14				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.81	Rating **	A/W	Issue No.	21
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.255972°	38.256247°
				-121.724197°	-121.724464°
DWR ID	DWR_RD2060_01_f_2017_21				

**Comment Code**

**Inspector Comment**

**Levee Evaluation Comments**

Description: Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred due to deep erosion.

Site ID No: 366

Site Designation: LMA-193

Repair Type: Erosion

Rating: Serious

Field Date: 7/12/2017

Notes: Erosion extends halfway into the slope.

LM Start	<b>1.81</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>1.84</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA\_2018\_RD2060\_241\_21\_20180925\_00029.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_241\_21\_20180925\_00030.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.81	Rating **	A/W	Issue No.	21 (cont)
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.255972 °	38.256247 °
				-121.724197 °	-121.724464 °
DWR ID	DWR_RD2060_01_f_2017_21				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred due to deep erosion.					
Site ID No:366					
Site Designation:LMA-193					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Erosion extends halfway into the slope.					

LM Start	1.90	Rating **	M	Issue No.	22
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257208 °	38.257842 °
				-121.724619 °	-121.724694 °
DWR ID	DWR_RD2060_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred.					
Site ID No:367					
Site Designation:LMA-194					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor crackingobserved below the hinge point and minor erosion at levee toe.					

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                    A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	1.90	Rating **	M	Issue No.	22 (cont)
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257208 °	38.257842 °
				-121.724619 °	-121.724694 °
DWR ID	DWR_RD2060_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred.					
Site ID No:367					
Site Designation:LMA-194					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor crackingobserved below the hinge point and minor erosion at levee toe.					

Photo 2 of 3 : FA\_2018\_RD2060\_241\_22\_20180925\_00033.jpg



LM Start	<b>1.90</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>1.95</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2018\_RD2060\_241\_22\_20180925\_00034.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	2.10	Rating **	A/W	Issue No.	23
LM End	2.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.259317 °	38.259258 °
				-121.726314 °	-121.726939 °
DWR ID	DWR_RD2060_01_f _ 2017_23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the rip rap.					
Site ID No:368					
Site Designation:LMA-195					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/13/2017					
Notes: Erosion appears to be previously repaired, but has failed again.					

LM Start	<b>2.10</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_241\_23\_20180925\_00035.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_241\_23\_20180925\_00036.jpg



* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

## Reclamation District No. 2060 Hastings

AM10:26 JUL 12/2017

A photograph showing a gravel road or embankment on the left, a strip of dry, yellowish-brown grass in the middle, and a body of water on the right. In the background, there are power line towers and a clear blue sky. A date stamp '08/01/2017' is visible in the bottom right corner.Page 21 of 39

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	2.57	Rating **	M	Issue No.	24 (cont)
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257467°	38.257286°
				-121.734153°	-121.734683°
DWR ID	DWR_RD2060_01_f_2017_24				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope. Part of the levee has sloughed down toward the waterline where further erosion occurs.					
Site ID No:369					
Site Designation:LMA-196					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Levee slope is concave due slumping. Erosion at waterline.					

Photo 2 of 3 : FA\_2018\_RD2060\_241\_24\_20180925\_00039.jpg



LM Start	<b>2.57</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>2.60</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA\_2018\_RD2060\_241\_24\_20180925\_00040.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	3.07	Rating **	A/W	Issue No.	25
LM End	3.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260772 °	38.260569 °
				-121.740817 °	-121.741194 °
DWR ID	DWR_RD2060_01_f_2017_25				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion occurs near the waterline. Part of the levee has sloughed down toward the waterline due to erosion.					
Site ID No:370					
Site Designation:LMA-197					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/13/2017					
Notes: Large erosion halfway into levee. Horizontal cracking on slope almost 24"deep.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_25\_20180925\_00041.jpg



LM Start	<b>3.07</b>	Rating **	A/W	Issue No.	<b>25 (cont)</b>
LM End	<b>3.10</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_241\_25\_20180925\_00042.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

## Reclamation District No. 2060 Hastings

A photograph showing a riverbank with dense green vegetation and white flowers in the foreground. The river flows towards a line of trees under a clear blue sky. The date '2008-08-10' is visible in the bottom right corner.Page 24 of 39



## Reclamation District No. 2060 Hastings

A wide river flows through a landscape with green and yellow vegetation under a clear blue sky. The foreground is dominated by tall, dry, yellowish grass and green shrubs. The river is a deep blue, and the far bank is lined with green trees and bushes. In the distance, a range of low mountains is visible under a clear blue sky. A timestamp "009/107 02/13/2017" is visible in the bottom right corner of the image.Page 25 of 39

## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	3.60	Rating **	M	Issue No.	27
LM End	3.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261469 °	38.261464 °
				-121.748389 °	-121.748442 °
DWR ID	DWR_RD2060_01_f _ 2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:373					
Site Designation:LMA-200					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Small erosion with a narrow deep cut. Heavy veg is protecting the slope.					

LM Start	<b>3.60</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_241\_27\_20180925\_00047.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_241\_27\_20180925\_00048.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	<b>3.60</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>3.61</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261469 °	38.261464 °
				-121.748389 °	-121.748442 °
DWR ID	DWR_RD2060_01_f_2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line. Site ID No: 373 Site Designation: LMA-200 Repair Type: Erosion Rating: Area of Concern Field Date: 7/13/2017 Notes: Small erosion with a narrow deep cut. Heavy veg is protecting the slope.					

Photo 3 of 3 : FA\_2018\_RD2060\_241\_27\_20180925\_00049.jpg



LM Start	<b>3.67</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>3.67</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261181 °	38.261167 °
				-121.749542 °	-121.749592 °
DWR ID	DWR_RD2060_01_f_2017_28				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion is concentrated near the water line. Site ID No: 374 Site Designation: LMA-201 Repair Type: Erosion Rating: Area of Concern Field Date: 7/13/2017 Notes: Small narrow and deep cut. May have been caused by a collapsed beaver den.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_28\_20180925\_00050.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	3.67	Rating **	M	Issue No.	28 (cont)	
LM End	3.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.261181 °		38.261167 °
				-121.749542 °		-121.749592 °
DWR ID	DWR_RD2060_01_f_2017_28					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion is concentrated near the water line.						
Site ID No:374						
Site Designation:LMA-201						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: Small narrow and deep cut. May have been caused by a collapsed beaver den.						

Photo 2 of 3 : FA\_2018\_RD2060\_241\_28\_20180925\_00051.jpg



LM Start	<b>3.67</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>3.67</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_241\_28\_20180925\_00052.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

### Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	4.28	Rating **	A/W	Issue No.	29
LM End	4.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260992 °	38.261017 °
				-121.759806 °	-121.759847 °
DWR ID	DWR_RD2060_01_f_2017_29				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:376					
Site Designation:LMA-203					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Could not get to erosion due to dense veg. Possibly a deep narrow cut.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_29\_20180925\_00053.jpg



LM Start	<b>4.28</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>4.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_241\_29\_20180925\_00054.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

## Reclamation District No. 2060 Hastings

A wide river flows through a landscape with green vegetation and a clear blue sky. The foreground shows a grassy bank. A timestamp 'PM 2:42 JUL/13/2017' is visible in the bottom right corner.Page 30 of 39

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	4.40	Rating **	M	Issue No.	30 (cont)	
LM End	4.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260850 °	38.260425 °	
				-121.761875 °	-121.762861 °	
DWR ID	DWR_RD2060_01_f_2017_30					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope.						
Site ID No:377						
Site Designation:LMA-204						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: large cut is 100' of 320' site. Large cut is 12' vertical and the rest is 6'.						

Photo 2 of 3 : FA\_2018\_RD2060\_241\_30\_20180925\_00057.jpg



LM Start	<b>4.40</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>4.46</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_241\_30\_20180925\_00058.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	4.50	Rating **	A/W	Issue No.	31
LM End	4.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260150°	38.259939°
				-121.763556°	-121.764064°
DWR ID	DWR_RD2060_01_f_2017_31				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope. It has resulted in some sloughing.					
Site ID No:378					
Site Designation:LMA-205					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Deep, wide, vertical cut into slope almost 1/2 way into sope.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_31\_20180925\_00059.jpg



LM Start	<b>4.50</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>4.53</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_241\_31\_20180925\_00060.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2060 Hastings

A photograph showing a large, bare tree in the foreground, surrounded by green and yellow shrubs. In the background, there is a calm body of water under a clear sky.Page 33 of 39

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	4.80	Rating **	A/W	Issue No.	32 (cont)	
LM End	4.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260714 °	38.261808 °	
				-121.767972 °	-121.768536 °	
DWR ID	DWR_RD2060_01_f_2017_32					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope towards the toe.						
Site ID No: 379						
Site Designation: LMA-206						
Repair Type: Erosion						
Rating: Serious						
Field Date: 7/17/2017						
Notes: Several erosions with slumping. Fresh soil indicates active erosion this season. Adjacent slope has riprap. Riprap should be extended along this stretch.						

Photo 2 of 3 : FA\_2018\_RD2060\_241\_32\_20180925\_00063.jpg



LM Start	<b>4.80</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>4.88</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_241\_32\_20180925\_00064.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	4.92	Rating **	M	Issue No.	33
LM End	4.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262128°	38.262128°
				-121.769175°	-121.769175°
DWR ID	DWR_RD2060_01_f_2017_33				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:380					
Site Designation:LMA-207					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Reduced length of site from 275 to 62. No widespread erosion, just 2 small erosions upstream from adjacent riprap.					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_33\_20180925\_00065.jpg



LM Start	<b>4.92</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_241\_33\_20180925\_00066.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	<b>4.92</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.262128°	38.262128°	
			-121.769175°	-121.769175°	
DWR ID	DWR_RD2060_01_f_2017_33				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.</p> <p>Site ID No: 380</p> <p>Site Designation: LMA-207</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/17/2017</p> <p>Notes: Reduced length of site from 275 to 62. No widespread erosion, just 2 small erosions upstream from adjacent riprap.</p>					

Photo 3 of 3 : FA\_2018\_RD2060\_241\_33\_20180925\_00067.jpg



LM Start	<b>5.00</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>5.01</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.262636°	38.262658°	
			-121.770503°	-121.770547°	
DWR ID	DWR_RD2060_01_f_2017_34				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.</p> <p>Site ID No: 381</p> <p>Site Designation: LMA-208</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/17/2017</p> <p>Notes: Extended site from 15' to 75' to include LMA-209. Small erosions will become 1 site next high water due to sloughing between them.</p>					

Photo 1 of 3 : FA\_2018\_RD2060\_241\_34\_20180925\_00068.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	5.00	Rating **	M	Issue No.	34 (cont)
LM End	5.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262636°	38.262658°
				-121.770503°	-121.770547°
DWR ID	DWR_RD2060_01_f_2017_34				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:381					
Site Designation:LMA-208					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Extended site from 15' to 75' to include LMA-209. Small erosions will become 1 site next high water due to sloughing between them.					

Photo 2 of 3 : FA\_2018\_RD2060\_241\_34\_20180925\_00069.jpg



Photo 3 of 3 : FA\_2018\_RD2060\_241\_34\_20180925\_00070.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	<b>5.21</b>	Rating **	A/W	Issue No.	<b>18</b>
LM End	<b>6.90</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.261717°	38.274012°	
			-121.772152°	-121.795407°	
DWR ID	DWR_RD2060_01_s_2017_18				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>5.67</b>	Rating **	M	Issue No.	<b>19</b>
LM End	<b>5.67</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Repair Gates		38.263257°	38.263257°	
			-121.779758°	-121.779758°	
DWR ID	DWR_RD2060_01_s_2017_19				
Comment Code					
Inspector Comment					
Repair or replace the cross gate.					

No Photos

LM Start	<b>6.63</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>6.70</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.270878°	38.271845°	
			-121.793168°	-121.793498°	
DWR ID	DWR_RD2060_01_f_2018_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	10/25/2018 10/25/2018	David Julian

LM Start	<b>6.72</b>	Rating **	M	Issue No.	<b>38</b>
LM End	<b>6.81</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.271993°	38.272957°	
			-121.793697°	-121.794982°	
DWR ID	DWR_RD2060_01_f_2018_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>6.88</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>6.88</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.273787°	38.273787°	
			-121.795492°	-121.795492°	
DWR ID	DWR_RD2060_01_f_2018_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



## Reclamation District No. 2060 Hastings

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	0.12	Rating **	M	Issue No.	13
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.295919 °	38.295611 °
				-121.746700 °	-121.745742 °
DWR ID	DWR_RD2060_03_f_2017_13				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing and seepage occurs near the land side toe.					
Site ID No:385					
Site Designation:LMA-212					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate sloughing halfway down LS slope. Monitor for progression.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_13\_20180925\_00001.jpg



LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_243\_13\_20180925\_00002.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	0.12	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.295919 °	38.295611 °
				-121.746700 °	-121.745742 °
DWR ID	DWR_RD2060_03_f _ 2017_13				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing and seepage occurs near the land side toe.					
Site ID No:385					
Site Designation:LMA-212					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate sloughing halfway down LS slope. Monitor for progression.					

Photo 3 of 3 : FA\_2018\_RD2060\_243\_13\_20180925\_00003.jpg



LM Start	0.15	Rating **	A/W	Issue No.	19
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.295738 °	38.295559 °
				-121.746293 °	-121.745583 °
DWR ID	DWR_RD2060_03_s_2017_19				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There are several signs of sloughing occurring on the slope notices after the flood event Feb. 2017 storm. 10/11/17: This issue's rating has been changed from U to A/W in consideration of the DWR 2017 Levee Evaluation Storm Site entry.					

Photo 1 of 2 : FA\_2018\_RD2060\_243\_19\_20180925\_00014.jpg



Standing at levee mile 0.15 looking downstream from the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	0.15	Rating **	A/W	Issue No.	19 (cont)
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.295738 °	38.295559 °
				-121.746293 °	-121.745583 °
DWR ID	DWR_RD2060_03_s_2017_19				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There are several signs of sloughing occurring on the slope notices after the flood event Feb. 2017 storm. 10/11/17: This issue's rating has been changed from U to A/W in consideration of the DWR 2017 Levee Evaluation Storm Site entry.					

Photo 2 of 2 : FA\_2018\_RD2060\_243\_19\_20180925\_00015.jpg



Just upstream of the erosion site looking downstream from the landside slope.

LM Start	0.64	Rating **	M	Issue No.	14
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.292197 °	38.292208 °
				-121.739661 °	-121.739611 °
DWR ID	DWR_RD2060_03_f_2017_14				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences near the edge of the crown and extends down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:386					
Site Designation:LMA-213					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes:					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_14\_20180925\_00004.jpg



\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	0.64	Rating **	M	Issue No.	14 (cont)	
LM End	0.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.292197°	38.292208°	
				-121.739661°	-121.739611°	
DWR ID	DWR_RD2060_03_f_2017_14					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences near the edge of the crown and extends down the slope. Erosion has resulted in slippage into the waterside toe.						
Site ID No:386						
Site Designation:LMA-213						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes:						

Photo 2 of 3 : FA\_2018\_RD2060\_243\_14\_20180925\_00005.jpg



LM Start	<b>0.64</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>0.64</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_243\_14\_20180925\_00006.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>0.81</b>	Rating **	M	Issue No.	<b>15</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.291633 °	38.291606 °
				-121.736750 °	-121.736714 °
DWR ID	DWR_RD2060_03_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion commences approximately 3/4 of the way down the slope. Erosion has resulted in slippage into the waterside toe. Site ID No: 388 Site Designation: LMA-215 Repair Type: Erosion Rating: Area of Concern Field Date: 7/20/2017 Notes: Narrow erosion on WS slope. Monitor for progression.					

No Photos

LM Start	<b>1.12</b>	Rating **	C	Issue No.	<b>17</b>
LM End	<b>1.13</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290539 °	38.290544 °
				-121.731603 °	-121.731494 °
DWR ID	DWR_RD2060_03_f_2017_17				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion commences near the crown and has resulted in slippage into the waterside toe. Site ID No: 389 Site Designation: LMA-216 Repair Type: Erosion Rating: Critical Field Date: 7/20/2017 Notes: Vertical section sloughing halfway down WS slope. Continued erosion down WS slope. Recommend repair before next high water. 2018 Notes: Site has been repaired (Djulian)					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	1.12	Rating **	A/W	Issue No.	18
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.290558 °	38.290558 °
				-121.731580 °	-121.731580 °
DWR ID	DWR_RD2060_03_s_2017_18				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The District has scheduled repairs of this site. 10/11/17: This issue's rating has been changed from U to A/W in consideration of the DWR 2017 Levee Evaluation Storm Site entry.					

Photo 1 of 2 : FA\_2018\_RD2060\_243\_18\_20180925\_00012.jpg



Looking downstream at the erosion in the waterside slope and toe.

LM Start	<b>1.12</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>1.12</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2018\_RD2060\_243\_18\_20180925\_00013.jpg



Looking upstream at the erosion on the waterside slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	1.21	Rating **	M	Issue No.	20
LM End	1.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290511 °	38.290486 °
				-121.729867 °	-121.729603 °
DWR ID	DWR_RD2060_03_f _ 2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences 1/4 of the way down the slope with					
slippage towards the water side toe.					
Site ID No:390					
Site Designation:LMA-217					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Erosion halfway down WS slope. Monitor for progression.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_20\_20180925\_00016.jpg



LM Start	<b>1.21</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_243\_20\_20180925\_00017.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	1.21	Rating **	M	Issue No.	20 (cont)	
LM End	1.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.290511 °		38.290486 °
				-121.729867 °		-121.729603 °
DWR ID	DWR_RD2060_03_f _ 2017_20					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences 1/4 of the way down the slope with slippage towards the water side toe.						
Site ID No:390						
Site Designation:LMA-217						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes: Erosion halfway down WS slope. Monitor for progression.						

Photo 3 of 3 : FA\_2018\_RD2060\_243\_20\_20180925\_00018.jpg



LM Start	1.38	Rating **	M	Issue No.	21
LM End	1.42	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290067 °	38.289608 °
				-121.726839 °	-121.726344 °
DWR ID	DWR_RD2060_03_f_2017_21				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:MBK Delta Erosion Sites_6-29-2017					
Site ID No:482					
Site Designation:LMA-320					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/29/2017					
Notes:					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_21\_20180925\_00019.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>22</b>
LM End	<b>1.59</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.289256°	38.287689°	
			-121.726050°	-121.724658°	
DWR ID	DWR_RD2060_03_f_2017_22				

**Comment Code**

**Inspector Comment**

**Levee Evaluation Comments**

Description: Erosion commences halfway down the slope and results in slippage into the waterside toe.

Site ID No: 392

Site Designation: LMA-219

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/20/2017

Notes: Moderate erosion present on WS slope. Monitor for progression.

LM Start	<b>1.45</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_22\_20180925\_00022.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_22\_20180925\_00023.jpg



**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	1.45	Rating **	M	Issue No.	22 (cont)
LM End	1.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.289256 °	38.287689 °
				-121.726050 °	-121.724658 °
DWR ID	DWR_RD2060_03_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe.					
Site ID No:392					
Site Designation:LMA-219					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate erosion present on WS slope. Monitor for progression.					

Photo 3 of 3 : FA\_2018\_RD2060\_243\_22\_20180925\_00024.jpg



LM Start	1.52	Rating **	A/W	Issue No.	7
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.288598 °	38.286051 °
				-121.725184 °	-121.722818 °
DWR ID	DWR_RD2060_03_f_2018_7				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 23.6 R					
Status: Eroding					
2017 Field Notes: No observed changes.					
Site History: Site added in 1997 and removed in 2003. 2005 - Put back in the inventory. 2006 - Stone repair at the middle of the site. 2011 - Some rock place at toe in the past year. 2013 - Site extended both upstream and downstream to include new erosion pockets.					

Photo 1 of 1 : FA\_2018\_RD2060\_243\_7\_20181105\_00091.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	1.62	Rating **	A/W	Issue No.	23
LM End	1.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.287336 °	38.287222 °
				-121.724364 °	-121.724253 °
DWR ID	DWR_RD2060_03_f_2017_23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:393					
Site Designation:LMA-220					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/20/2017					
Notes: Moderate sloughing 8ft from WS crown. Erosion at high water mark.					

LM Start	<b>1.62</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>
LM End	<b>1.63</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_23\_20180925\_00025.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_23\_20180925\_00026.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>1.62</b>	Rating **	A/W	Issue No.	<b>23 (cont)</b>							
LM End	<b>1.63</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.287336°	38.287222°								
			-121.724364°	-121.724253°								
DWR ID	DWR_RD2060_03_f_2017_23											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe. Site ID No: 393 Site Designation: LMA-220 Repair Type: Erosion Rating: Serious Field Date: 7/20/2017 Notes: Moderate sloughing 8ft from WS crown. Erosion at high water mark.												

Photo 3 of 3 : FA\_2018\_RD2060\_243\_23\_20180925\_00027.jpg



LM Start	<b>1.65</b>	Rating **	M	Issue No.	<b>24</b>							
LM End	<b>1.73</b>	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.286953°	38.285939°								
			-121.723958°	-121.723061°								
DWR ID	DWR_RD2060_03_f_2017_24											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: Erosion commences halfway down the slope. Existing rip rap has sloughed into the water side toe. Site ID No: 394 Site Designation: LMA-221 Repair Type: Erosion Rating: Area of Concern Field Date: 7/20/2017 Notes: Site includes LMA-218. Erosion halfway down slope. Monitor for progression.												

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>1.84</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>1.92</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.284825 °	38.284467 °
				-121.721764 °	-121.720339 °
DWR ID	DWR_RD2060_03_f_2017_25				

Comment Code

[illegible]

Inspector Comment	
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Levee Evaluation Comments
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe.
Site ID No:395
Site Designation:LMA-222
Repair Type: Erosion
Rating:Area of Concern
Field Date:7/20/2017
Notes: Erosion halfway down slope. Monitor for progression.

LM Start	<b>1.84</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>1.92</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_25\_20180925\_00028.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_25\_20180925\_00029.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	1.84	Rating **	M	Issue No.	25 (cont)	
LM End	1.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.284825 °	38.284467 °	
				-121.721764 °	-121.720339 °	
DWR ID	DWR_RD2060_03_f _ 2017_25					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences halfway down the slope and results in						
slippage into the waterside toe.						
Site ID No:395						
Site Designation:LMA-222						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes: Erosion halfway down slope. Monitor for progression.						

Photo 3 of 3 : FA\_2018\_RD2060\_243\_25\_20180925\_00030.jpg



LM Start	2.02	Rating **	A/W	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.284120 °	38.277633 °
				-121.718577 °	-121.711912 °
DWR ID	DWR_RD2060_03_f _ 2018_5				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 22.9 R					
Status: Eroding					
2017 Field Notes: Sites 22.5, 22.6, 22.8, and 22.9 were combined into one long erosion site due to due erosion.					
Site History: 2007 - Geotechnical failure of midside slope and wave wash/scalloping in toe area. Stone revetment upstream and downstream of site. Similar sites are present all along the right bank downstream of this site, most could be repaired with some maintenance. 2008 - Small scour pockets and mid-slope wave wash. 2010 - Minor new erosion. 2011 - Site extended downstream and new erosion. 2013 - Pockets of erosion behind willows and extending into the levee toe. 2015 - Erosion pockets have increased in size. 2016 - Rock has been placed in some of the pockets.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.02	Rating **	M	Issue No.	6
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.284105 °	38.283302 °
				-121.718471 °	-121.717814 °
DWR ID	DWR_RD2060_03_f _ 2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 23.0 R					
Status: Eroding					
2017 Field Notes: No observed changes.					
Site History: 2010 - Small maintenance site.					

A photograph of a riverbank. In the foreground, a large, dark, fallen log lies horizontally across the water. The riverbank is covered in sparse, dry vegetation and some green shrubs. In the background, a steep, eroded hillside rises, showing distinct horizontal layers of sedimentary rock. The sky is clear and blue. A timestamp in the bottom right corner reads "09/09/2010 12:10:10".

USACE 2013 Photo #1

LM Start	2.02	Rating **	M	Issue No.	26
LM End	2.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283914 °	38.283422 °
				-121.718614 °	-121.718206 °
DWR ID	DWR_RD2060_03_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:396					
Site Designation:LMA-223					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion to high water line.					

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.02	Rating **	M	Issue No.	26 (cont)
LM End	2.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283914 °	38.283422 °
				-121.718614 °	-121.718206 °
DWR ID	DWR_RD2060_03_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:396					
Site Designation:LMA-223					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion to high water line.					

Photo 2 of 3 : FA\_2018\_RD2060\_243\_26\_20180925\_00032.jpg



Photo 3 of 3 : FA\_2018\_RD2060\_243\_26\_20180925\_00033.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.12	Rating **	A/W	Issue No.	27
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.282733 °	38.282403 °
				-121.717683 °	-121.717428 °
DWR ID	DWR_RD2060_03_f_2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:397					
Site Designation:LMA-224					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Benched erosion with large cracks on slope above. Light veg in erosion.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_27\_20180925\_00034.jpg



LM Start	<b>2.12</b>	Rating **	A/W	Issue No.	<b>27 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_243\_27\_20180925\_00035.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.12	Rating **	A/W	Issue No.	27 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.282733 °	38.282403 °
				-121.717683 °	-121.717428 °
DWR ID	DWR_RD2060_03_f_2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:397					
Site Designation:LMA-224					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Benched erosion with large cracks on slope above. Light veg in erosion.					

Photo 3 of 3 : FA\_2018\_RD2060\_243\_27\_20180925\_00036.jpg



LM Start	2.19	Rating **	A/W	Issue No.	28
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.281839 °	38.281486 °
				-121.716964 °	-121.716661 °
DWR ID	DWR_RD2060_03_f_2017_28				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.					
Site ID No:398					
Site Designation:LMA-225					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion is near vertical with light veg. Existing rip rap to the left of site.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_28\_20180925\_00037.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>2.19</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.281839 °	38.281486 °	
			-121.716964 °	-121.716661 °	
DWR ID	DWR_RD2060_03_f_2017_28				

**Comment Code**

**Inspector Comment**

**Levee Evaluation Comments**

Description: Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.

Site ID No: 398

Site Designation: LMA-225

Repair Type: Erosion

Rating: Serious

Field Date: 7/18/2017

Notes: Erosion is near vertical with light veg. Existing rip rap to the left of site.

LM Start	<b>2.19</b>	Rating **	A/W	Issue No.	<b>28 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_243\_28\_20180925\_00038.jpg



Photo 3 of 3 : FA\_2018\_RD2060\_243\_28\_20180925\_00039.jpg



**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement







**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.30	Rating **	M	Issue No.	29 (cont)	
LM End	2.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.280667°		38.280467°
				-121.715664°		-121.715242°
DWR ID	DWR_RD2060_03_f _ 2017_29					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.						
Site ID No:399						
Site Designation:LMA-226						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Vertical erosion at high water mark.						

Photo 3 of 3 : FA\_2018\_RD2060\_243\_29\_20180925\_00042.jpg



LM Start	2.36	Rating **	M	Issue No.	31
LM End	2.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280208 °	38.279336 °
				-121.714853 °	-121.714172 °
DWR ID	DWR_RD2060_03_f _ 2017_31				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:400					
Site Designation:LMA-227					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Steep cut but protected with heavy woody veg.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_31\_20180925\_00043.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.36	Rating **	M	Issue No.	31 (cont)
LM End	2.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280208 °	38.279336 °
				-121.714853 °	-121.714172 °
DWR ID	DWR_RD2060_03_f _ 2017_31				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:400					
Site Designation:LMA-227					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Steep cut but protected with heavy woody veg.					

Photo 2 of 3 : FA\_2018\_RD2060\_243\_31\_20180925\_00044.jpg



Photo 3 of 3 : FA\_2018\_RD2060\_243\_31\_20180925\_00045.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>2.47</b>	Rating **	M	Issue No.	<b>32</b>
LM End	<b>2.49</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.278794 °	38.278533 °
				-121.713703 °	-121.713453 °
DWR ID	DWR_RD2060_03_f_2017_32				

Comment Code

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Inspector Comment
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Levee Evaluation Comments
Description: Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.
Site ID No: 401
Site Designation: LMA-228
Repair Type: Erosion
Rating: Area of Concern
Field Date: 7/18/2017
Notes: Erosion and sloughing. Heavy veg flanking both sides.

LM Start	<b>2.47</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>2.49</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_32\_20180925\_00046.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_32\_20180925\_00047.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.47	Rating **	M	Issue No.	32 (cont)
LM End	2.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.278794 °	38.278533 °
				-121.713703 °	-121.713453 °
DWR ID	DWR_RD2060_03_f _ 2017_32				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:401					
Site Designation:LMA-228					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion and sloughing. Heavy veg flanking both sides.					

Photo 3 of 3 : FA\_2018\_RD2060\_243\_32\_20180925\_00048.jpg



LM Start	2.55	Rating **	M	Issue No.	33
LM End	2.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277956 °	38.277928 °
				-121.712814 °	-121.712775 °
DWR ID	DWR_RD2060_03_f _ 2017_33				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and extends to the waterside toe.					
Site ID No:402					
Site Designation:LMA-229					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Small but deep vertical cut down to water.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_33\_20180925\_00049.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.55	Rating **	M	Issue No.	33 (cont)	
LM End	2.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.277956°	38.277928°	
				-121.712814°	-121.712775°	
DWR ID	DWR_RD2060_03_f_2017_33					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and extends to the waterside toe.						
Site ID No:402						
Site Designation:LMA-229						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Small but deep vertical cut down to water.						

Photo 2 of 3 : FA\_2018\_RD2060\_243\_33\_20180925\_00050.jpg



LM Start	<b>2.55</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>2.55</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_243\_33\_20180925\_00051.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	<b>2.56</b>	Rating **	A/W	Issue No.	<b>34</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.277850°	38.277706°	
			-121.712639°	-121.712414°	
DWR ID	DWR_RD2060_03_f_2017_34				

**Comment Code**

**Inspector Comment**

**Levee Evaluation Comments**

Description: Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.

Site ID No: 403

Site Designation: LMA-230

Repair Type: Erosion

Rating: Serious

Field Date: 7/18/2017

Notes: Erosion causing sloughing. Horizontal cracks about 6' up from erosion.

LM Start	<b>2.56</b>	Rating **	A/W	Issue No.	<b>34 (cont)</b>
LM End	<b>2.58</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_34\_20180925\_00052.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_34\_20180925\_00053.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	34 (cont)
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277850 °	38.277706 °
				-121.712639 °	-121.712414 °
DWR ID	DWR_RD2060_03_f_2017_34				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.					
Site ID No:403					
Site Designation:LMA-230					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion causing sloughing. Horizontal cracks about 6' up from erosion.					

Photo 3 of 3 : FA\_2018\_RD2060\_243\_34\_20180925\_00054.jpg



LM Start	2.64	Rating **	M	Issue No.	35
LM End	2.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277106°	38.277078°
				-121.711489°	-121.711447°
DWR ID	DWR_RD2060_03_f_2017_35				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.					
Site ID No:404					
Site Designation:LMA-231					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Small erosion and sloughing adjacent to revetted slope.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_35\_20180925\_00055.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.64	Rating **	M	Issue No.	35 (cont)	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.277106°		38.277078°
				-121.711489°		-121.711447°
DWR ID	DWR_RD2060_03_f _ 2017_35					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.						
Site ID No:404						
Site Designation:LMA-231						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Small erosion and sloughing adjacent to revetted slope.						

Photo 2 of 3 : FA\_2018\_RD2060\_243\_35\_20180925\_00056.jpg



LM Start	<b>2.64</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>2.64</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_243\_35\_20180925\_00057.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	2.69	Rating **	A/W	Issue No.	36
LM End	2.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.276608 °	38.276133 °
				-121.710811 °	-121.710394 °
DWR ID	DWR_RD2060_03_f _ 2017_36				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the slope and extends to the waterside toe.					
Site ID No:405					
Site Designation:LMA-232					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Vertical cut at highwater mark.					

LM Start	<b>2.69</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>2.73</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_36\_20180925\_00058.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_36\_20180925\_00059.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

## Reclamation District No. 2060 Hastings

A photograph of a rocky shoreline with dense green vegetation and a body of water under a clear blue sky. A timestamp 'AM 9:17 JUL 18/2017' is visible in the bottom right corner.Page 32 of 41



## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	3.24	Rating **	M	Issue No.	37 (cont)	
LM End	3.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.270231 °	38.270203 °	
				-121.705897 °	-121.705856 °	
DWR ID	DWR_RD2060_03_f_2017_37					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.						
Site ID No:406						
Site Designation:LMA-233						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Erosion is next to a pumphouse and slope is protected withrip rap.						

Photo 2 of 3 : FA\_2018\_RD2060\_243\_37\_20180925\_00062.jpg



LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_243\_37\_20180925\_00063.jpg



* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	3.59	Rating **	M	Issue No.	38
LM End	3.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.266408 °	38.266047 °
				-121.701650 °	-121.701061 °
DWR ID	DWR_RD2060_03_f_2017_38				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:MBK Delta Erosion Sites_6-29-2017					
Site ID No:484					
Site Designation:LMA-322					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/29/2017					
Notes:					

LM Start	<b>3.59</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>3.63</b>	Issue Type +	Ma	Location *	

Photo 1 of 2 : FA\_2018\_RD2060\_243\_38\_20180925\_00064.jpg



Photo 2 of 2 : FA\_2018\_RD2060\_243\_38\_20180925\_00065.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

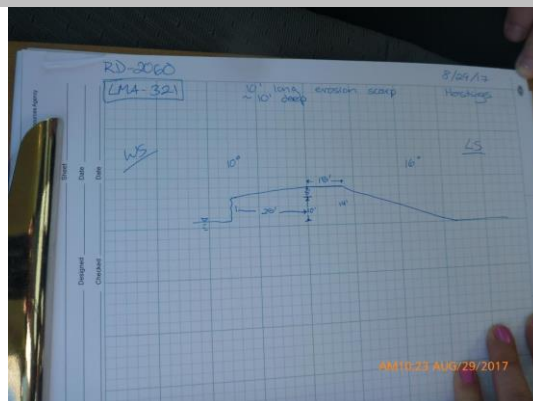
**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	3.66	Rating **	M	Issue No.	39
LM End	3.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.265742 °	38.265342 °
				-121.700522 °	-121.699881 °
DWR ID	DWR_RD2060_03_f_2017_39				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:MBK Delta Erosion Sites_6-29-2017					
Site ID No:483					
Site Designation:LMA-321					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/29/2017					
Notes:					

Photo 1 of 1 : FA\_2018\_RD2060\_243\_39\_20180925\_00066.jpg



LM Start	3.78	Rating **	A/W	Issue No.	4
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.264585 °	38.260593 °
				-121.698868 °	-121.696403 °
DWR ID	DWR_RD2060_03_f_2018_4				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 21.1 R					
Status: Eroding					
2017 Field Notes: Significant toe erosion within last year.					
Site History: 2011 - Several pockets of erosion from rotational failure and slumping toe. 2013 - Site extended downstream to include new erosion pockets. 2016 - New rock in one of the erosion spots.					

Photo 1 of 1 : FA\_2018\_RD2060\_243\_4\_20181105\_00089.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	3.82	Rating **	A/W	Issue No.	40
LM End	3.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.264006 °	38.262364 °
				-121.698811 °	-121.698103 °
DWR ID	DWR_RD2060_03_f_2017_40				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site					
Site ID No:410					
Site Designation:LMA-237					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site is combined with LMA-234. There is minor toe erosion along whole 631 lf, but there is a 20' wide deep erosion at 38.26347, -121.69859. That is the only location that is serious and is likely due toa collapsed beaver den.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_40\_20180925\_00067.jpg



LM Start	<b>3.82</b>	Rating **	A/W	Issue No.	<b>40 (cont)</b>
LM End	<b>3.94</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2018\_RD2060\_243\_40\_20180925\_00068.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	3.82	Rating **	A/W	Issue No.	40 (cont)	
LM End	3.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.264006 °	38.262364 °	
				-121.698811 °	-121.698103 °	
DWR ID	DWR_RD2060_03_f_2017_40					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site						
Site ID No:410						
Site Designation:LMA-237						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: This site is combined with LMA-234. There is minor toe erosion along whole 631 lf, but there is a 20' wide deep erosion at 38.26347, -121.69859. That is the only location that is serious and is likely due toa collapsed beaver den.						

Photo 3 of 3 : FA\_2018\_RD2060\_243\_40\_20180925\_00069.jpg



LM Start	3.96	Rating **	A/W	Issue No.	41
LM End	4.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262114 °	38.261583 °
				-121.697978 °	-121.697647 °
DWR ID	DWR_RD2060_03_f_2017_41				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:411					
Site Designation:LMA-238					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site includes LMA-235. Wide erosion looks like several small sited merged. Heavy veg indicates slow erosion.					

Photo 1 of 3 : FA\_2018\_RD2060\_243\_41\_20180925\_00070.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	3.96	Rating **	A/W	Issue No.	41 (cont)	
LM End	4.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.262114 °	38.261583 °	
				-121.697978 °	-121.697647 °	
DWR ID	DWR_RD2060_03_f_2017_41					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.						
Site ID No:411						
Site Designation:LMA-238						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: This site includes LMA-235. Wide erosion looks like several small sited merged. Heavy veg indicates slow erosion.						

Photo 2 of 3 : FA\_2018\_RD2060\_243\_41\_20180925\_00071.jpg



LM Start	<b>3.96</b>	Rating **	A/W	Issue No.	<b>41 (cont)</b>
LM End	<b>4.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : FA\_2018\_RD2060\_243\_41\_20180925\_00072.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



## Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	4.06	Rating **	A/W	Issue No.	42
LM End	4.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260789 °	38.260644 °
				-121.696964 °	-121.696828 °
DWR ID	DWR_RD2060_03_f_2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.					
Site ID No:412					
Site Designation:LMA-239					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Small erosion. Appears that site grows slowly with each high water. The center of the eosion is a deep cut that extends below rhe waterline. Possible beaver den collapse.					

LM Start	<b>4.06</b>	Rating **	A/W	Issue No.	<b>42 (cont)</b>
LM End	<b>4.08</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : FA\_2018\_RD2060\_243\_42\_20180925\_00073.jpg



Photo 2 of 3 : FA\_2018\_RD2060\_243\_42\_20180925\_00074.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	10/25/2018 10/25/2018	David Julian

LM Start	4.06	Rating **	A/W	Issue No.	43 (cont)
LM End	4.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260789 °	38.260644 °
				-121.696964 °	-121.696828 °
DWR ID	DWR_RD2060_03_f_2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:409					
Site Designation:LMA-236					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: 3' cut to slope down to water, with a 50' deep cut. Heavy veg suggests slow progression of erosion.					

Photo 2 of 3 : FA\_2018\_RD2060\_243\_43\_20180925\_00077.jpg



Photo 3 of 3 : FA\_2018\_RD2060\_243\_43\_20180925\_00078.jpg



LM Start	<b>4.06</b>	Rating **	A/W	Issue No.	<b>43 (cont)</b>
LM End	<b>4.08</b>	Issue Type +	Ma	Location *	

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement